Title (en)
IMAGING APPARATUS AND IMAGING METHOD

Title (de)
BILDGEBUNGSVORRICHTUNG UND ABBILDUNGSVERFAHREN

Title (fr)
APPAREIL ET PROCÉDÉ D'IMAGERIE

Publication
EP 3018628 A3 20161005 (EN)

Application
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Priority
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Abstract (en)
[origin: EP3018628A2] An image processing apparatus generates intermediate volume data from a plurality of volume data segments obtained as time passes so as to implement high-speed volume data. A medical imaging apparatus that includes the image processing apparatus, an ultrasonic imaging apparatus, an image processing method, and a medical image generation method are disclosed. The image processing apparatus includes a displacement vector generator configured to detect corresponding voxels between reference volume data and target volume data that has been acquired at intervals of a predetermined time period, and to generate a displacement vector between the corresponding voxels; and an intermediate volume data generator configured to generate at least one piece of intermediate volume data between the reference volume data and the target volume data by using the generated displacement vector.

IPC 8 full level
G06T 7/00 (2006.01); **G06T 7/20** (2006.01)

CPC (source: EP US)
G06F 18/22 (2023.01 - US); **G06T 7/0012** (2013.01 - US); **G06T 7/20** (2013.01 - US); **G06T 7/277** (2016.12 - EP US); **G06T 7/60** (2013.01 - US); **G06T 15/08** (2013.01 - US); G06T 2200/04 (2013.01 - US); G06T 2207/10016 (2013.01 - EP US); G06T 2207/10136 (2013.01 - EP US); G06T 2207/20072 (2013.01 - EP US)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3018628 A2 20160511; **EP 3018628 A3 20161005**; **EP 3018628 B1 20200101**; KR 20160054360 A 20160516; US 10282893 B2 20190507; US 2016133042 A1 20160512; US 2018260999 A1 20180913; US 9996967 B2 20180612

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EP 15193376 A 20151106; KR 20140153923 A 20141106; US 201514934484 A 20151106; US 201815974850 A 20180509